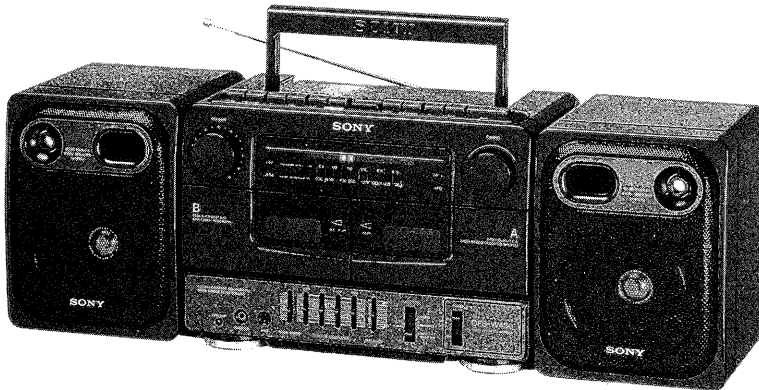


CFS-W430

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model
Australian Model



Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MF-W430

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 3.2-ohm loads, both channels driven, from 150-10,000 Hz; rated 1.8 W per channel minimum RMS power, with no more than 10% total harmonic distortion in AC operation. (US model)

Other Specifications

Frequency range	EXCEPT AEP, Italian model	: FM : 87.6 -108 MHz
		: AM : 530-1,710 kHz
	AEP model	: FM : 87.6 -107 MHz
		: AM : 531-1,602 kHz
	Italian model	: FM : 87.5 -108 MHz
		: AM : 526.5-1,606.5 kHz
Intermediate frequency	FM : 10.7MHz AM : 455kHz	
Antennas	FM : Telescopic antenna	
	AM : Built-in ferrite bar antenna	
Recording system	4-track 2-channel stereo	
Frequency response	80-8,000 Hz	
Speakers	Two way	
	Approx. 10 cm (4 inches) dia. woofer×2	
	Approx. 2 cm (13/16 inch) dia. tweeter×2	

Power output	5W(2.5W+2.5W) (AEP, Italian model) 4.6W(2.3W+2.3W) (at 10% harmonic distortion) in DC operation (except for the US, AEP, Italian model)
Input	External microphone input jack (minijack) Sensitivity 0.775 mV for low impedance microphone
Outputs	Headphones jack (stereo minijack) for 8-300 ohms impedance headphones
Power requirements	US, Canadian, E model : 120V AC, 60Hz AEP, Italian model : 220V-230V AC, 50Hz Australian model : 240V AC, 50Hz 9V DC, six size D (R20) batteries 14W
Power consumption	
Battery life	

Batteries	FM recording
Sony SUM-1(NS)	Approx. 18 hours
Sony AM 1 (N) alkaline	Approx. 30 hours

Dimensions	Approx. 580 × 201 × 184 mm (w/h/d) (22 ⁷ / ₈ × 8 ³ / ₈ × 7 ¹ / ₄ inches)
	Approx. 5.0 kg (10 lb 6 oz) incl. batteries
Accessory supplied	AC power cord (1)

Design and specifications subject to change without notice.

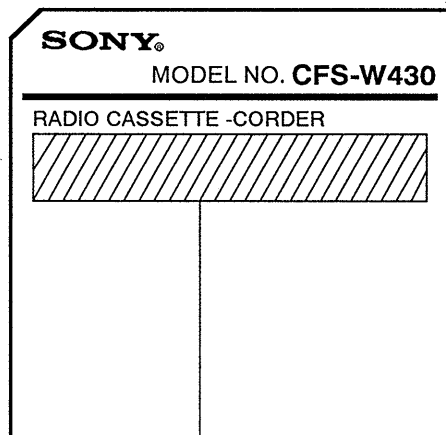
RADIO CASSETTE - CORDER
SONY®

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MODEL IDENTIFICATION

— Model Number Label —



US, Canadian, E model : AC 120V~60Hz
 AEP, Italian model : AC 220-230V~50Hz
 Australian model : AC 240V~50Hz

SAFETY CHECK-OUT (US Model)

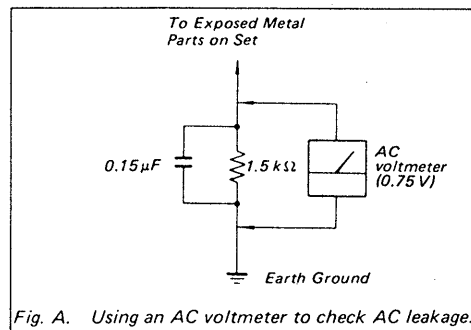
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)



SAFETY-RELATED COMPONENT WARNING!!

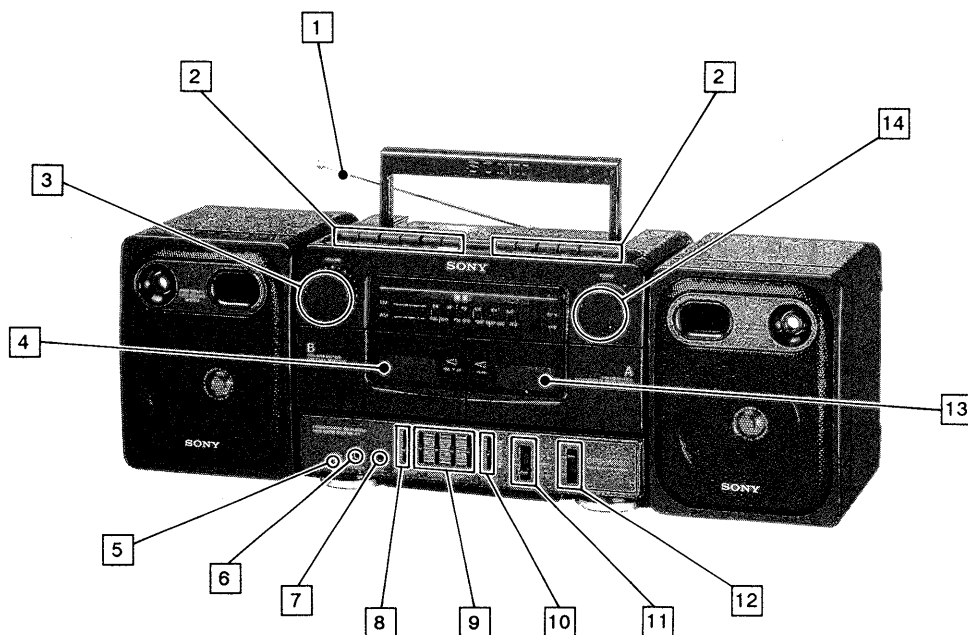
COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

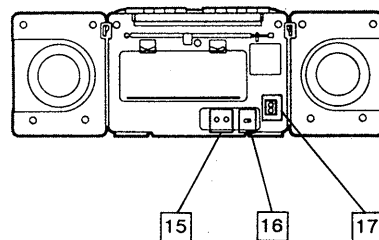
SECTION 1 GENERAL

LOCATION AND FUNCTION OF CONTROLS



【FRONT panel】

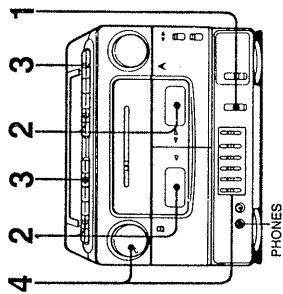
- 1 Telescopic antenna
- 2 Tape operation buttons
 - REC (record) button : (deck B only)
 - ▷ PLAY (play back) button
 - ◀◀ REW (rewind) button
 - ▶▶ FF (fast-forward) button
 - ◻ ▴ STOP/EJECT button
 - ▢▢ PAUSE button
- 3 VOLUME knob
- 4 Cassette holder B
- 5 OPR/BATT indicator
- 6 PHONES (headphones) jack (stereo minijack)
- 7 MIC jack (normal minijack)
- 8 BASS BOOST control
- 9 4-BAND GRAPHIC EQUALIZER controls
- 10 BALANCE knob
- 11 FUNCTION selector
- 12 BAND selector
- 13 Cassette holder A
- 14 TUNING knob



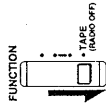
【REAR panel】

- 15 SPEAKER (L, R) jack (monoral minijack)
- 16 ISS (interference suppresser switch)
/ FM MODE selector
- 17 AC IN ~

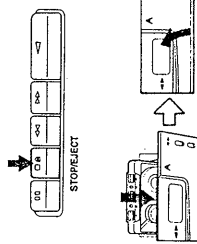
Playing a Tape (either deck)



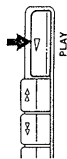
1 Set to TAPE (RADIO OFF).



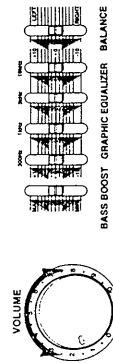
2 Insert a cassette.



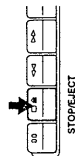
3 Press ◀ PLAY.



4 Adjust VOLUME, BALANCE, GRAPHIC EQUALIZER and BASS BOOST, if necessary.



To stop play



Tape operating buttons

If you want to	Press
play	▶
wind tape rapidly in ◀ direction	◀◀
wind tape rapidly in ▶ direction	▶▶
stop play/recording	■
pause for a moment	
resume play/recording after a pause	
remove a cassette	■ (twice)

For private listening

Connect stereo headphones to PHONES jack.

Notes

- During playback, avoid pressing the ◀/▶ buttons of the other deck since the playback speed may vary.
- When both decks A and B are in the playback mode, only playback from deck B will be audible.

When the unit is in use

OPR/BATT (operation/battery) indicator lights up. Intensity of glow shows battery level.

Adjusting Sound

To obtain powerful bass sound
Slide the BASS BOOST control toward MAX.

To equalize the reproduced sound
Slide each GRAPHIC EQUALIZER control toward +10 or -10.

Frequency coverage of each equalizer control
300 Hz: Speaking voice, middle frequencies of instrumental music.

1 kHz: Provides more presence of vocals.

3 kHz: Overall brightness of sound.

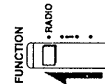
10 kHz: Effects the general treble. Slide toward -10 to reduce high frequency noise.

To adjust stereo imaging

Use the BALANCE control, especially when speakers are not symmetrically placed.

Listening to the Radio

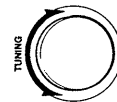
1 Set to RADIO.



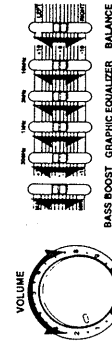
2 Select the desired band.



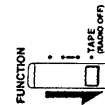
3 Tune in a desired station.



4 Adjust VOLUME, BALANCE, GRAPHIC EQUALIZER and BASS BOOST, if necessary.

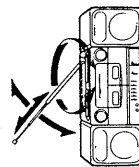


To turn off the radio

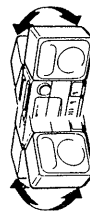


For better reception of a weak FM stereo program
Set the ISS/FM MODE switch on the rear panel to MONO. The noise will be reduced, however, the sound becomes monaural.

Antenna adjustment FM

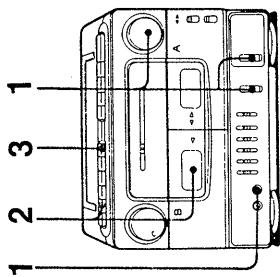


AM

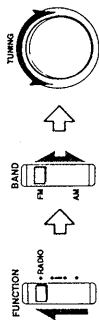


This section is extracted from instruction manual.

Recording (deck B only)



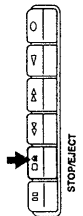
1 From radio



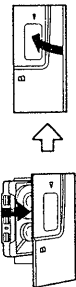
From microphone



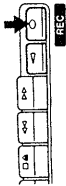
2 Insert a cassette.



Use TYPE I (normal) tape.

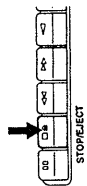


3 Press ● REC.



▶ PLAY is pressed automatically.

To stop recording



When the tape reaches the end, ● REC is released automatically.

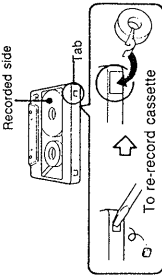
Notes on recording

- While recording, avoid pressing the ◀◀◀▶▶▶ buttons on deck A to assure stable recording.
- If a whistling noise is heard during AM recording, which was inaudible before the record button is depressed, set ISS/FM MODE on the rear panel to 1, 2, or 3, depending on which one best reduces the noise.

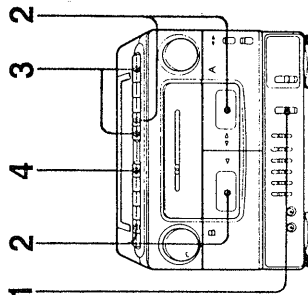
- While recording from the built-in radio, you can listen to the program through speakers or headphones. While recording with the microphone, the sound being recorded can not be monitored through headphones.
- No volume adjustment is necessary. Recording level is automatically set. Volume adjustments will not affect recording level. Any setting of the GRAPHIC EQUALIZER control or the BASS BOOST control does not affect recording level.

To prevent accidental erasure

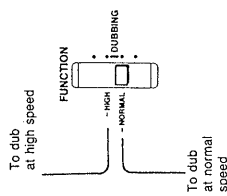
Break off the tab corresponding to the side which has been recorded.
Recording on that side will be protected.



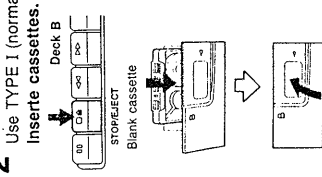
Tape Dubbing (deck A to deck B)



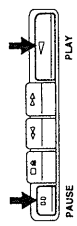
1 Select dubbing speed.



2 Insert cassettes.

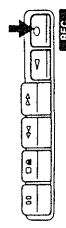


3 on deck A



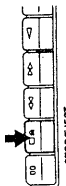
Press ◀ PLAY. Press II PAUSE at the point you want to start dubbing.

4 on deck B



Press ● REC. Tapes in deck A and deck B start simultaneously. This means tape dubbing starts (Synchro dubbing).

To stop dubbing on deck A and deck B



After dubbing set FUNCTION to TAPE (RADIO OFF).

Notes on dubbing

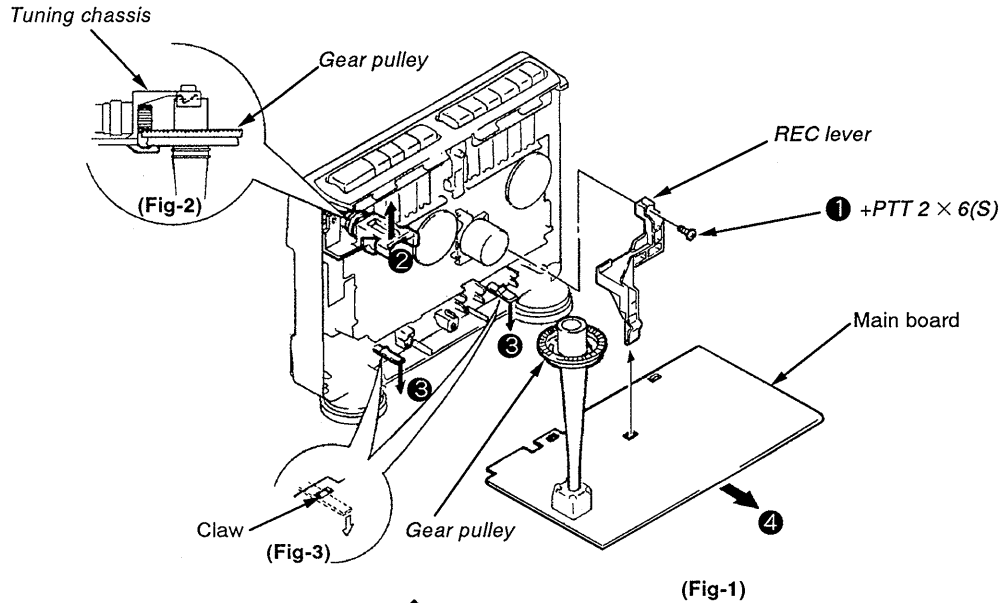
- If deck A's tape finishes first, deck B will continue playing. (Press ▶ to release locked buttons).
- If deck B's tape finishes first, deck A will continue playing.
- During dubbing, decks A and B are automatically shut off at their tape ends.
- Do not change the dubbing speed during dubbing, as this causes excessive wow and flutter.

SECTION 2 DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

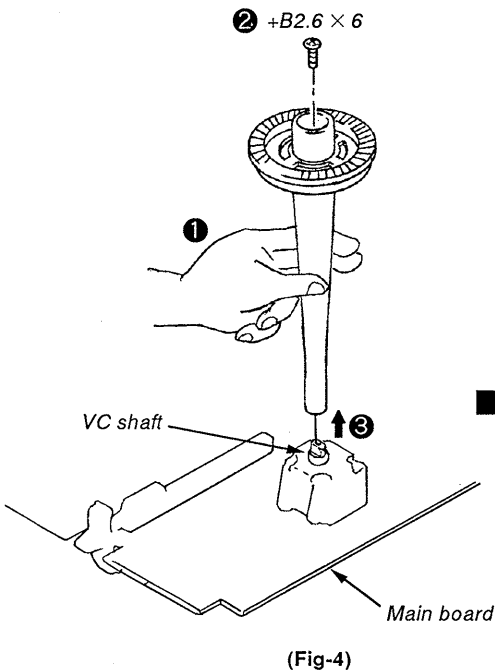
2-1. MAIN BOARD

- Pull the tuning chassis up in direction of the arrow to remove the claw. (Fig-2)
- Press the claw down so that the claw will be removed from the main board. (Fig-3)

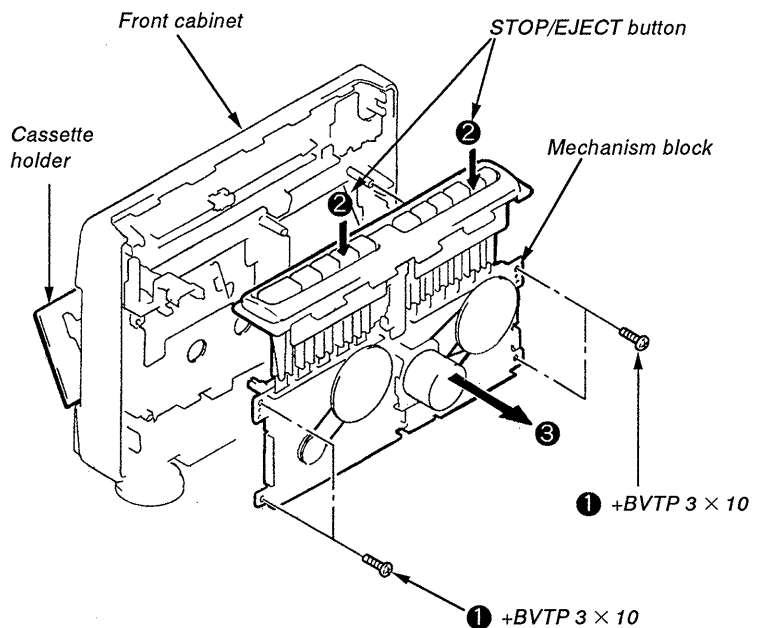


2-2. GEAR PULLEY

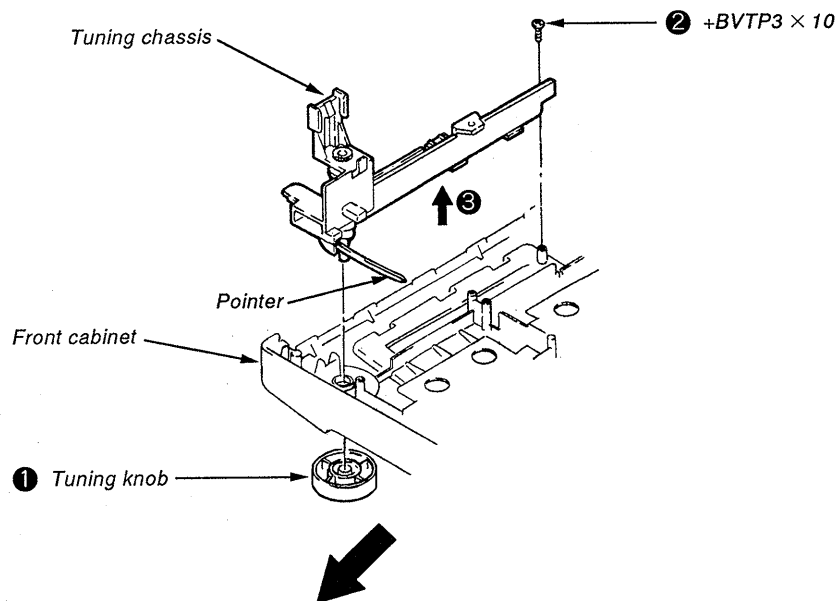
- Remove the screw while firmly holding the gear pulley so that it do not damage the VC shaft. (Fig-4)



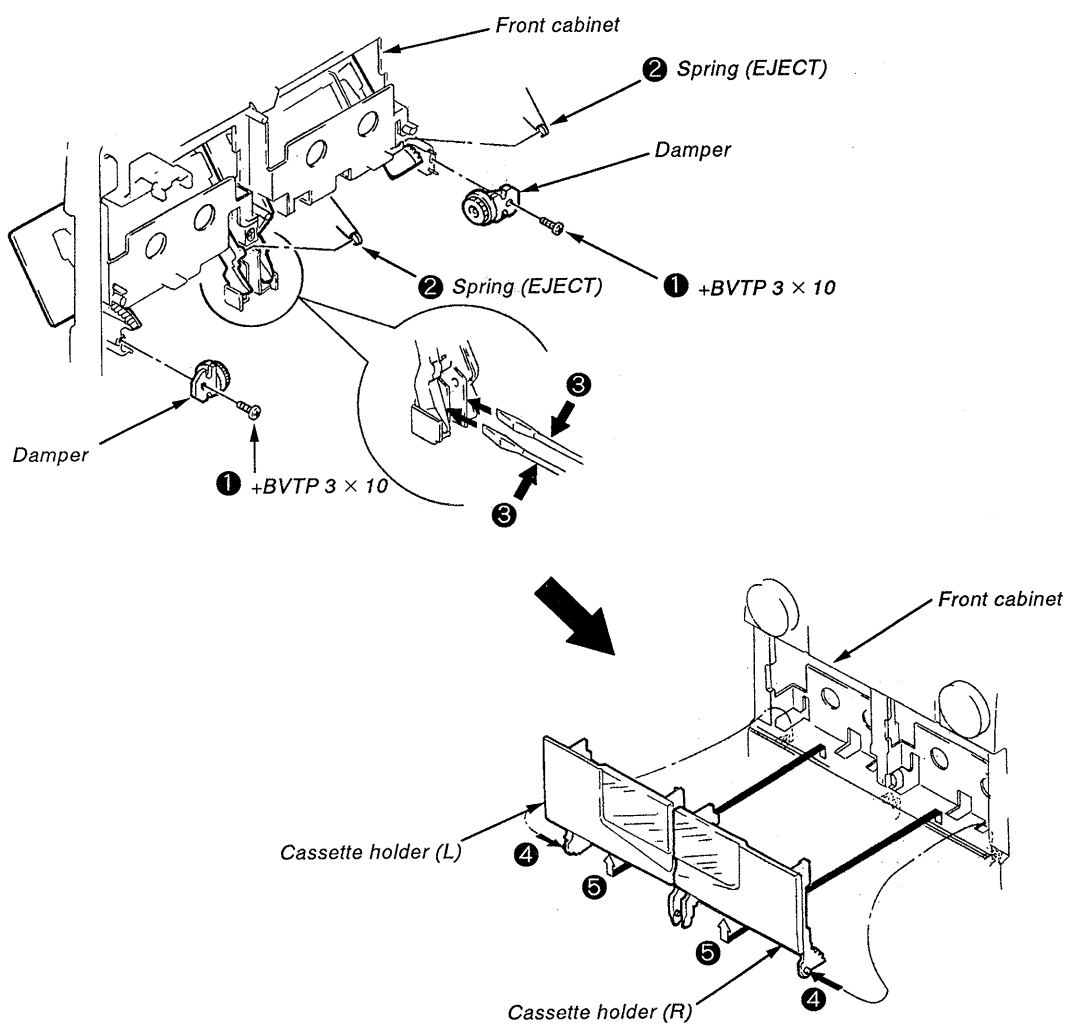
2-3. MECHANISM BLOCK



2-4. TUNING CHASSIS



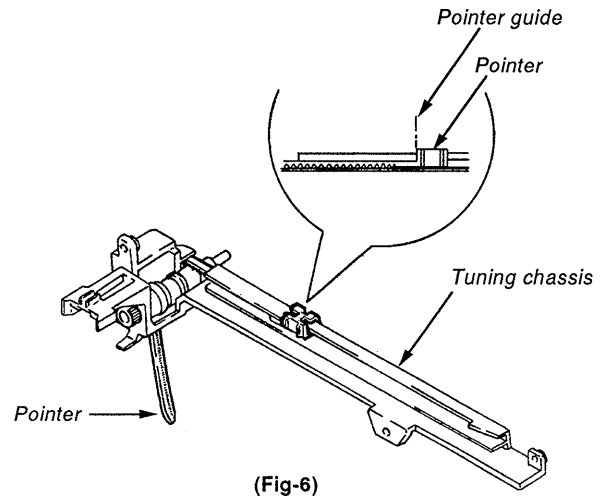
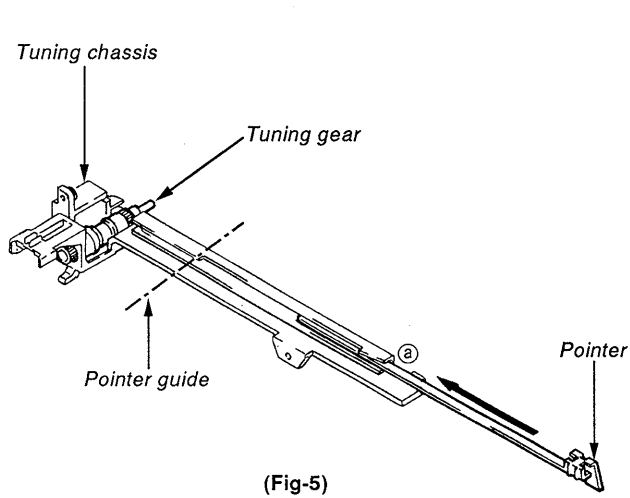
2-5. CASSETTE HOLDER



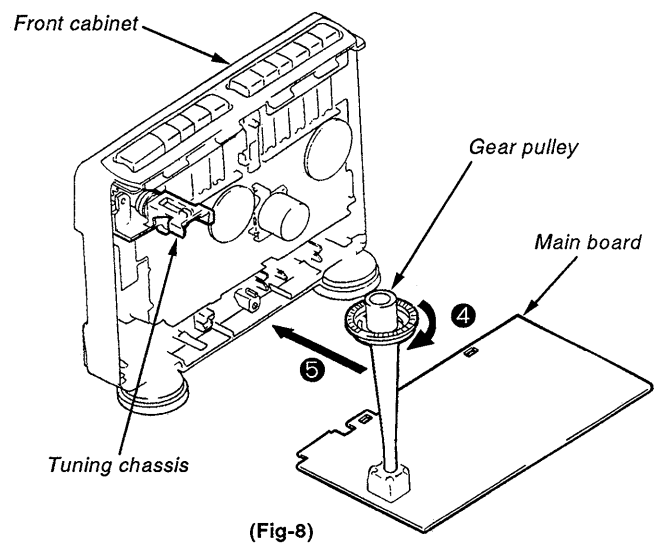
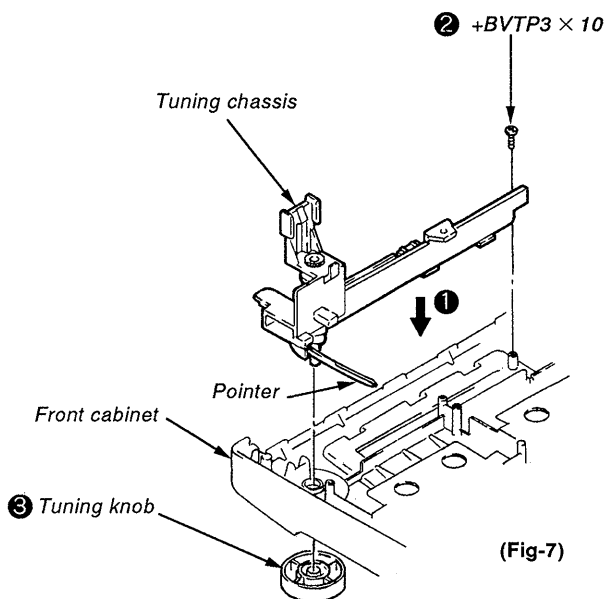
SECTION 3 DIAL POINTER INSTALLATION

Note : Follow the installation procedure in the numerical order given.

- Insert the pointer into the tuning chassis by sliding it from the direction ②. (Fig-5)
- Slide the pointer to align it with the pointer guide. (Fig-6)



- Fully turn the gear pulley in the clockwise direction. (Fig-8)



SECTION 4 ADJUSTMENTS

4-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

1. Torque Measurement

DECK A **DECK B**

Mode	Torque Meter	Meter Reading
Playback	CQ-102C	30 – 70g•cm (0.42 – 0.97 oz•inch)
Back tension	CQ-102C	1.5 – 5.5g•cm (0.021 – 0.076 oz•inch)
Rewind	CQ-201B	55 – 135g•cm (0.834 – 1.874 oz•inch)
Fast Forward		

2. Tape Tension Measurement

DECK A **DECK B**

Tension Meter	Meter Reading
CQ-403A	more than 100g (3.53 oz)

4-2. ELECTRICAL ADJUSTMENTS

TAPE SECTION

1. The adjustments should be performed in the order given in the service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
2. The adjustments should be performed for both L-CH and R-CH unless otherwise indicated.

● Switch location

FUNCTION TAPE (RADIO OFF)

GRAPHIC EQUALIZER·· center click

BALANCE center click

VOLUME mechanical center

BASS BOOST mechanical center

Standard Input Level

	MIC IN
source impedance	300 Ω
input level	3.085mV(– 48dB)

Standard Output Level

	SP OUT	PHONES
load impedance	3.2 Ω	32 Ω
output level	0.775V(0dB)	0.25V(– 10dB)

Test Tape

Type	Signal	Used for
WS-48B	3kHz, 0dB	Tape Speed Adjustment
P-4-A063	6.3kHz, – 10dB	Azimuth Adjustment
P-4-L300	315Hz, 0dB	Level Adjustment

0 dB=0.775V

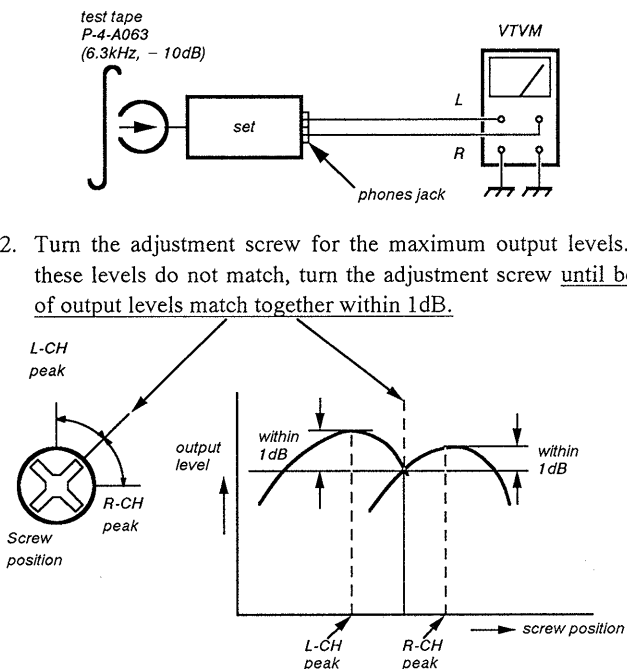
Record/playback Head Azimuth Adjustment

DECK A

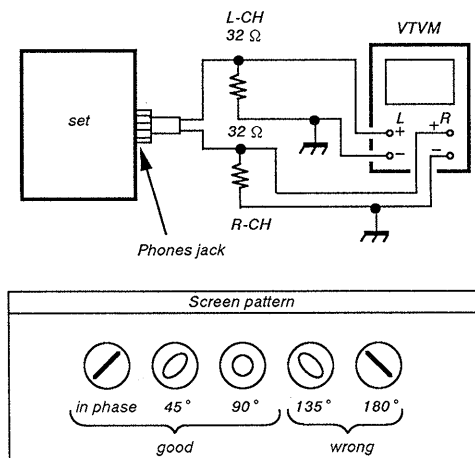
DECK B

Procedure :

1. Mode : playback

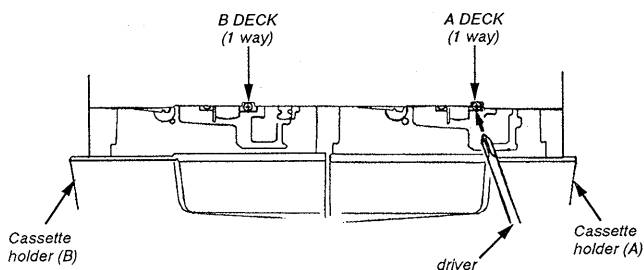


Phase Check
Mode : playback



3. Set in the reverse mode and repeat the steps 1-2.
4. After the adjustment, lock the screws with locking compound.

Adjustment Location :



Tape Speed Adjustment

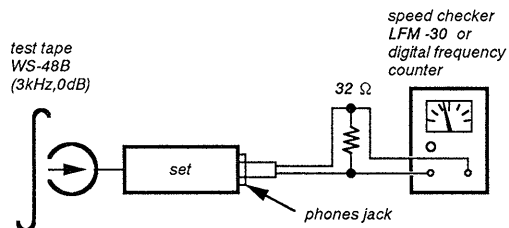
DECK A

DECK B

setting :

Mode : playback

Procedure :



Adjustment Values :

Adjustment part	Speed checker	Digital frequency counter
VR201	± 3%	2,910 to 3,090Hz

Frequency difference between the beginning and the end of the tape should be within 1% (30Hz).

Note : (High speed : non adjustment)

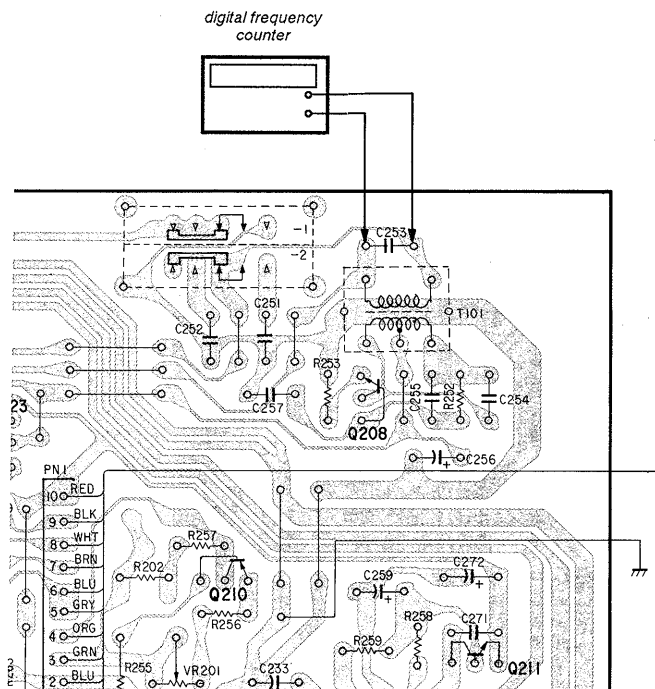
Adjustment Location : Main board

Record Bias OSC Frequency Adjustment

DECK B

Procedure :

ISS/FM mode SW : 2 (CENTER)

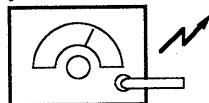


1. The set should be under no signal conditions recording mode.
2. Connect the frequency counter to C253 on the MAIN board.
3. Adjust with T101 so that the record bias OSC frequency is 60kHz.

TUNER SECTION

AM Section

AM RF signal generator

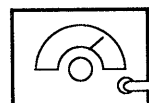


Put the lead-wire antenna close to the set.

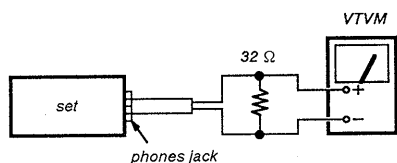
30% amplitude modulation by 400Hz signal.
Output level : as low as possible

FM Section

FM RF signal generator



22.5kHz frequency deviation by 400Hz signal.
Output level : as low as possible



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

no mark : EXCEPT AEP, Italian model
() : AEP model
(()) : Italian model

AM IF ALIGNMENT	
Adjust for a maximum reading on VTVM.	
T1	455kHz

AM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L5	515kHz
CT4	1,780kHz (1,680kHz) ((1,630kHz))

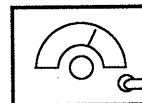
AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L3	600kHz
CT3	1,400kHz

FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L2	86.5MHz (87.0MHz) ((87.35MHz))
CT2	109.5MHz (108.25MHz) ((108.25MHz))

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L1	86.5MHz (87.0MHz) ((87.35MHz))
CT1	109.5MHz (108.25MHz) ((108.25MHz))

VCO Adjustment procedure :

FM RF signal generator



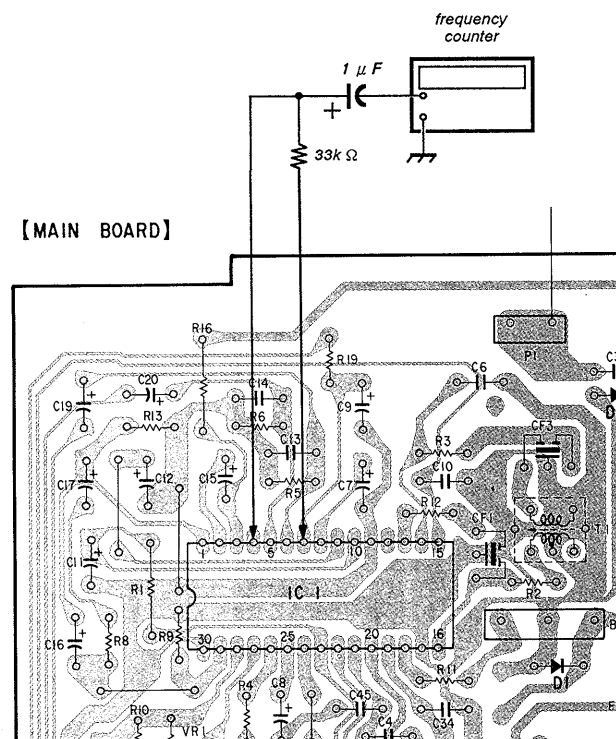
telescopic antenna terminal

0.01 μ F

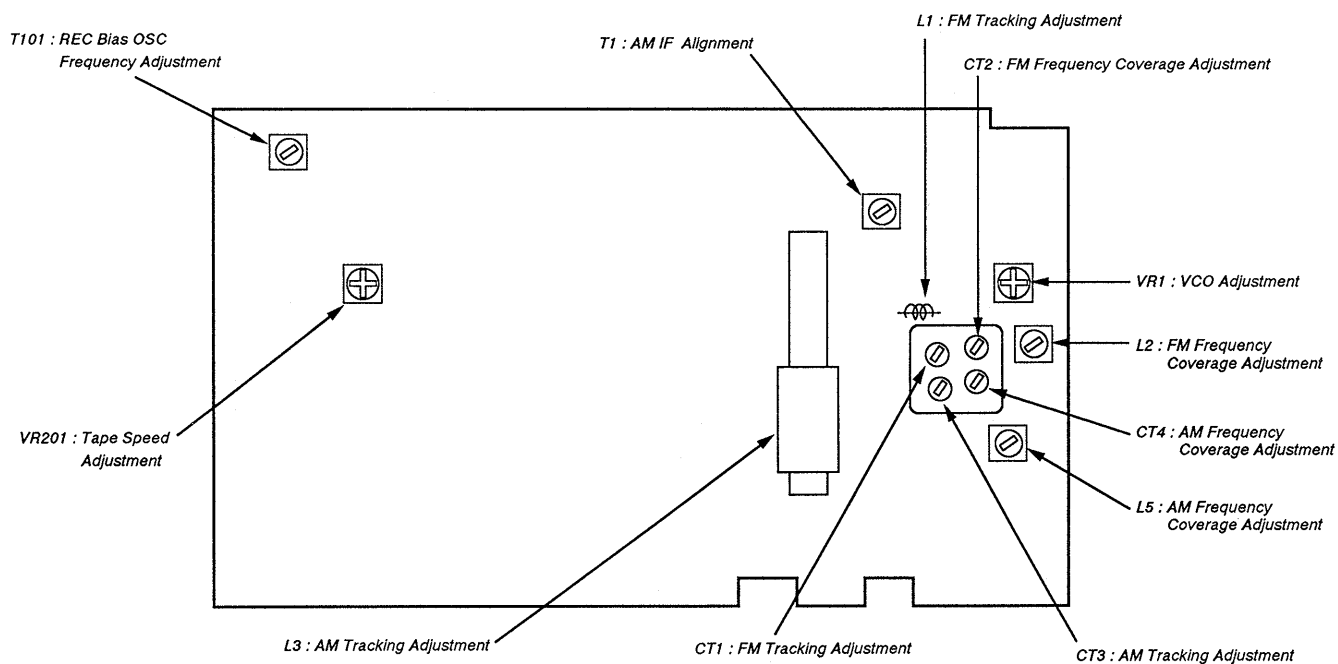
set

Carrier frequency: 98MHz
Modulation: no modulation
Output level: 0.032V(90dB)

1. Connect the frequency counter to ④ and ⑦ pins of IC1 as shown the figure below.
2. Turn the set to 98MHz.
3. Adjust VR1 for 76kHz $\pm$ 500Hz reading on frequency counter.



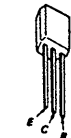
Adjustment Location : Main board (Component side)



- SEMICONDUCTOR LEAD LAYOUTS



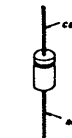
DTA114ES

DTC114TS
RN1203

KTC9013



2SA733-K
2SC2001-LK

RD6.8F-B2
10E2

1SS202-1

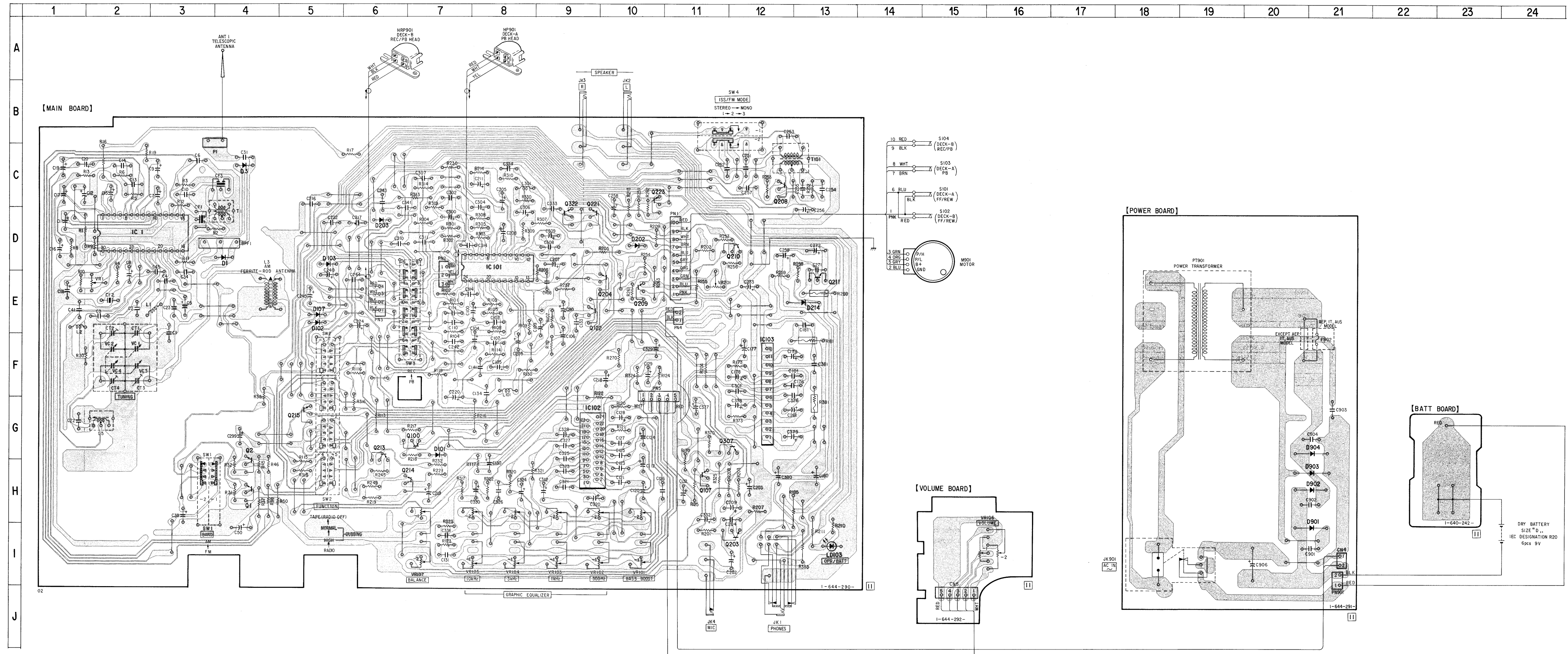


- **SEMICONDUCTOR LOCATION**

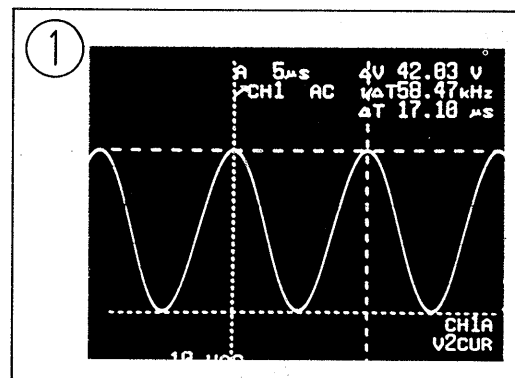
Ref. No.	Location
D1	D - 4
D3	C - 4
D101	G - 7
D102	E - 5
D103	D - 5
D107	E - 5
D202	D - 10
D203	D - 6
D214	E - 13
D901	I - 21
D902	H - 21
D903	H - 21
D904	G - 21
LD103	I - 13
IC1	D - 2
IC101	D - 8
IC102	G - 9
IC103	F - 12
Q1	H - 4
Q2	H - 4
Q100	G - 7
Q107	H - 11
Q122	E - 9
Q203	I - 12
Q204	E - 10
Q208	C - 12
Q209	E - 10
Q210	D - 12
Q211	E - 13
Q213	G - 6
Q214	H - 7
Q215	G - 5
Q221	D - 9
Q223	C - 10
Q307	G - 12
Q322	D - 9

Note

-  : parts extracted from the component side.
-  : Pattern on the side which is seen.
- IT : Italian
AUS : Australian



• WAVEFORM



Note:

- All capacitors are in μ F unless otherwise noted. pF: μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}$ W or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
- $\sim$: fusible resistor.

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

B+: B+ Line
 : adjustment for repair.

• Power voltage is dc 9V and fed with regulated dc power supply from battery terminal.

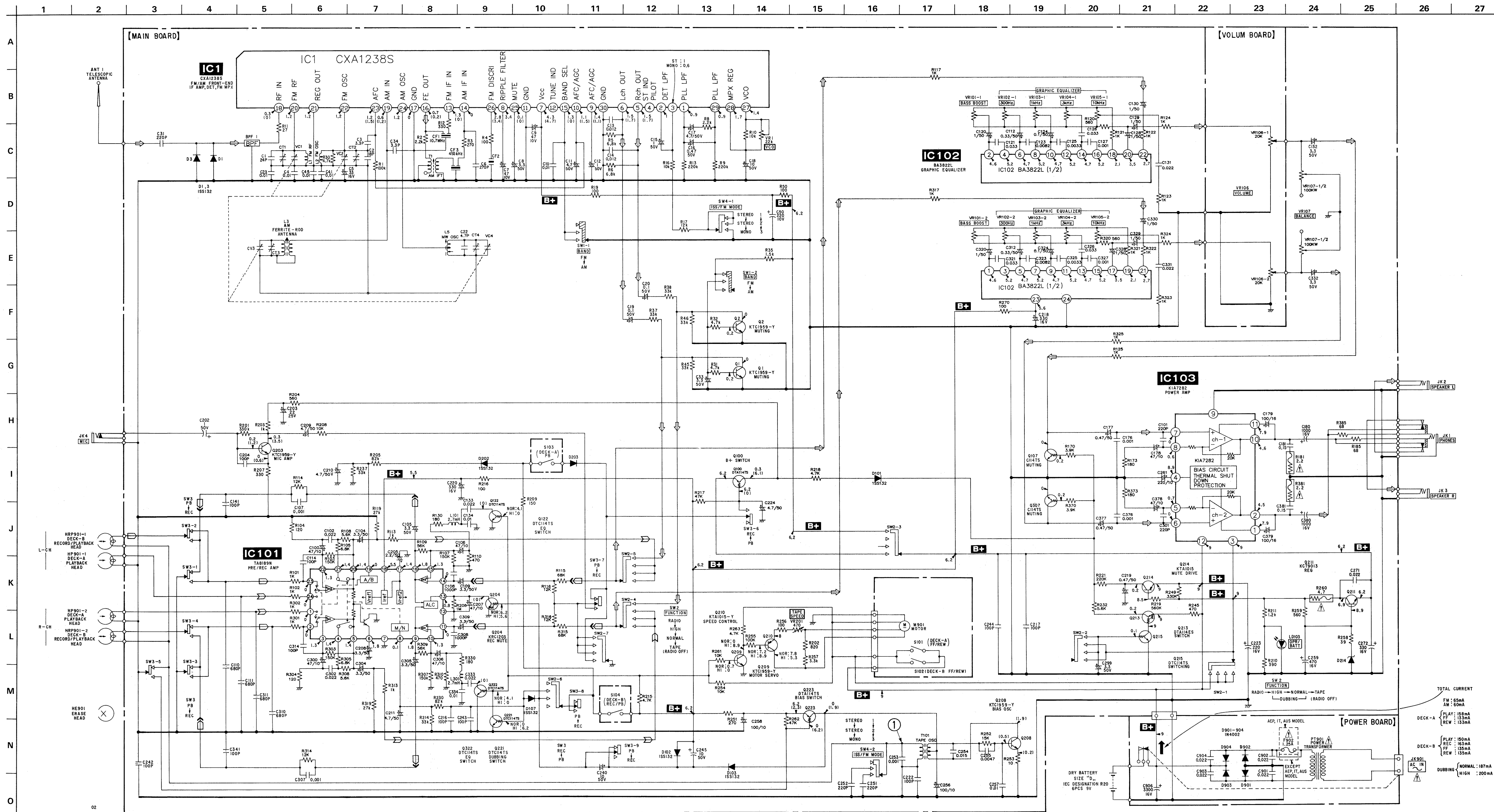
• Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.

no mark : FM (RADIO SECTION)
 () : AM (RADIO SECTION)
 no mark : PLAYBACK (AUDIO SECTION)
 () : REC (AUDIO SECTION)
 () : STOP

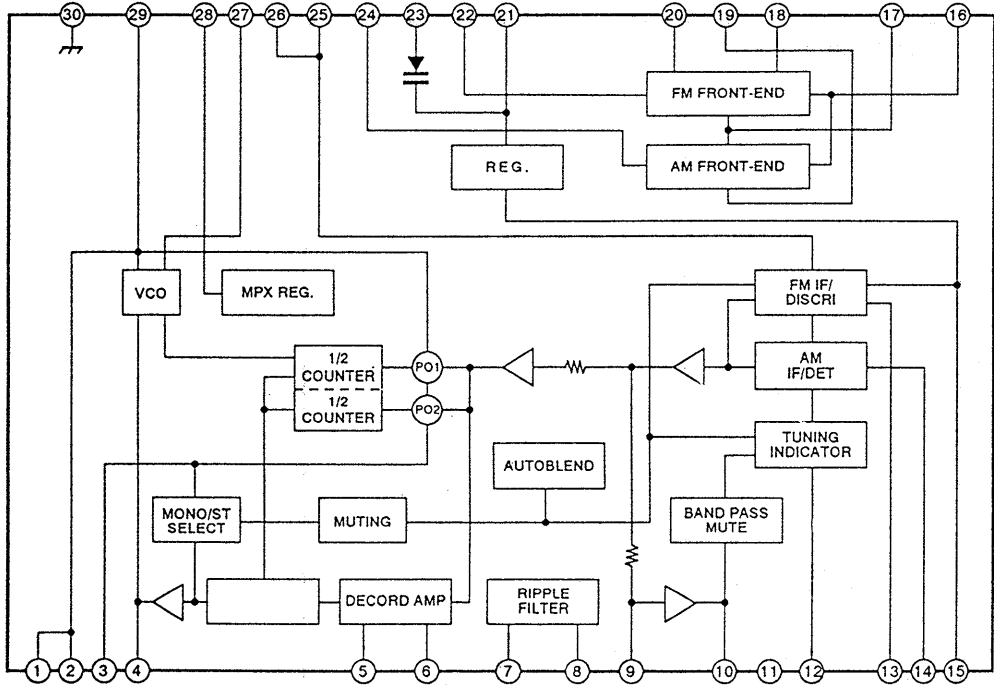
• Voltages are taken with a VOM (input impedance 10M Ω)
 Voltage variations may be noted due to normal production tolerances.

• Signal path.
 $\Rightarrow$: FM $\Rightarrow$: PB (DECK-A)
 $\Rightarrow$: PB (DECK-B)
 $\Rightarrow$: REC

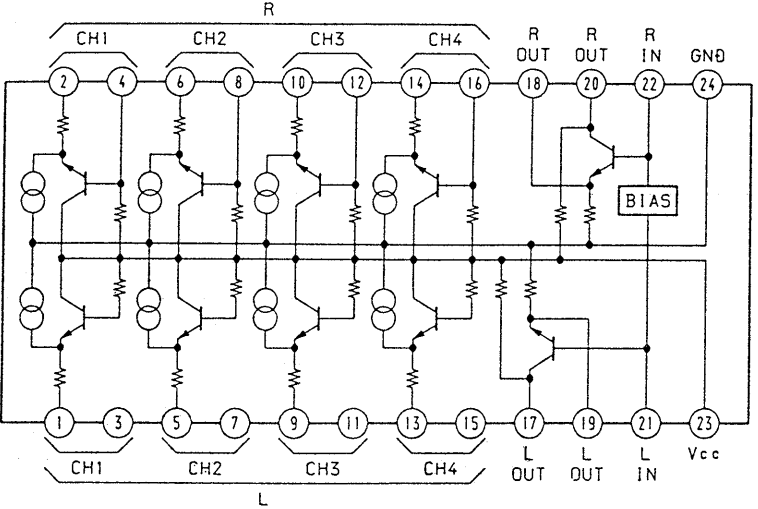
• IT : Italian
 AUS : Australian



IC1 CXA1238S



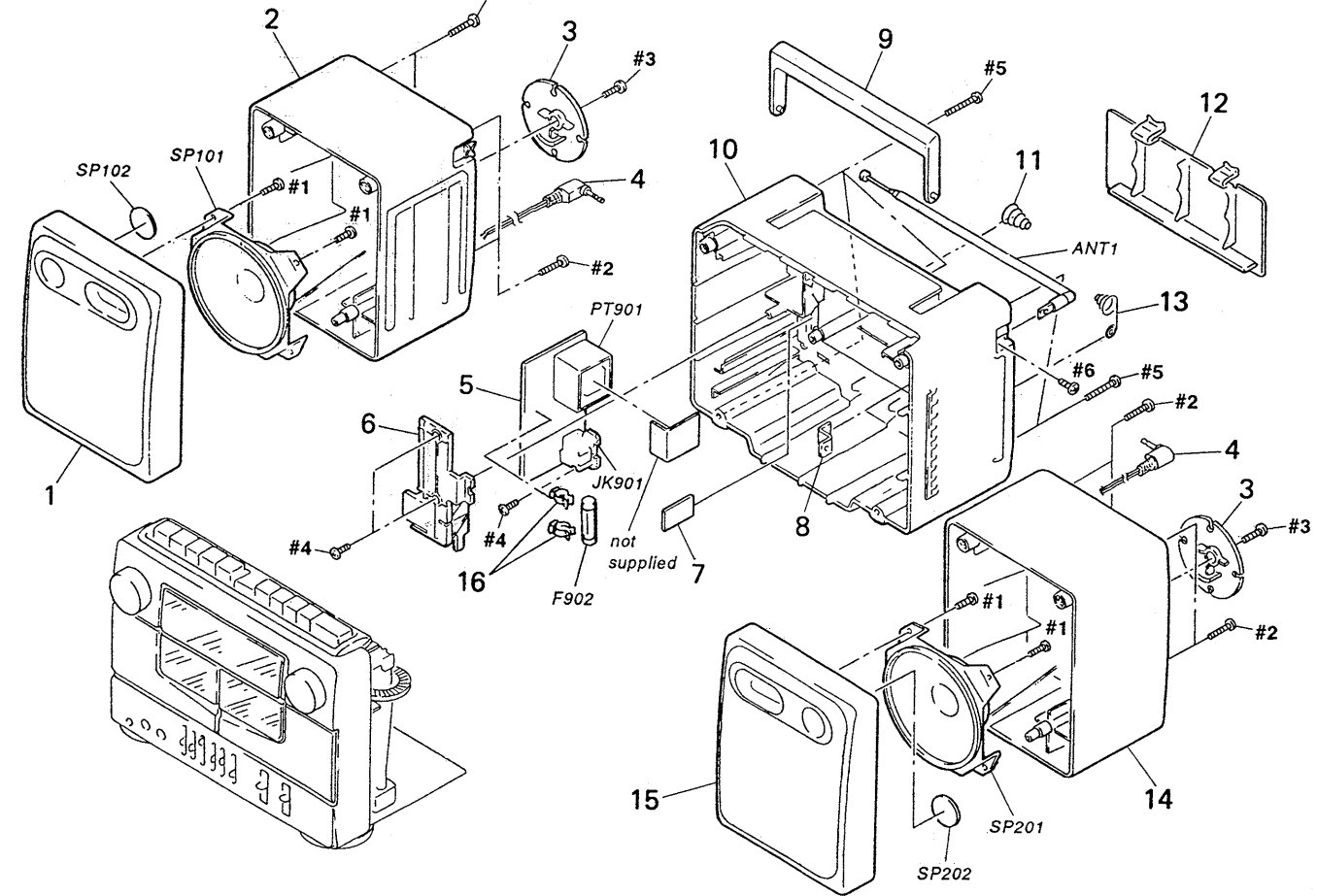
IC102 BA3822L



SECTION 6
EXPLODED VIEWS

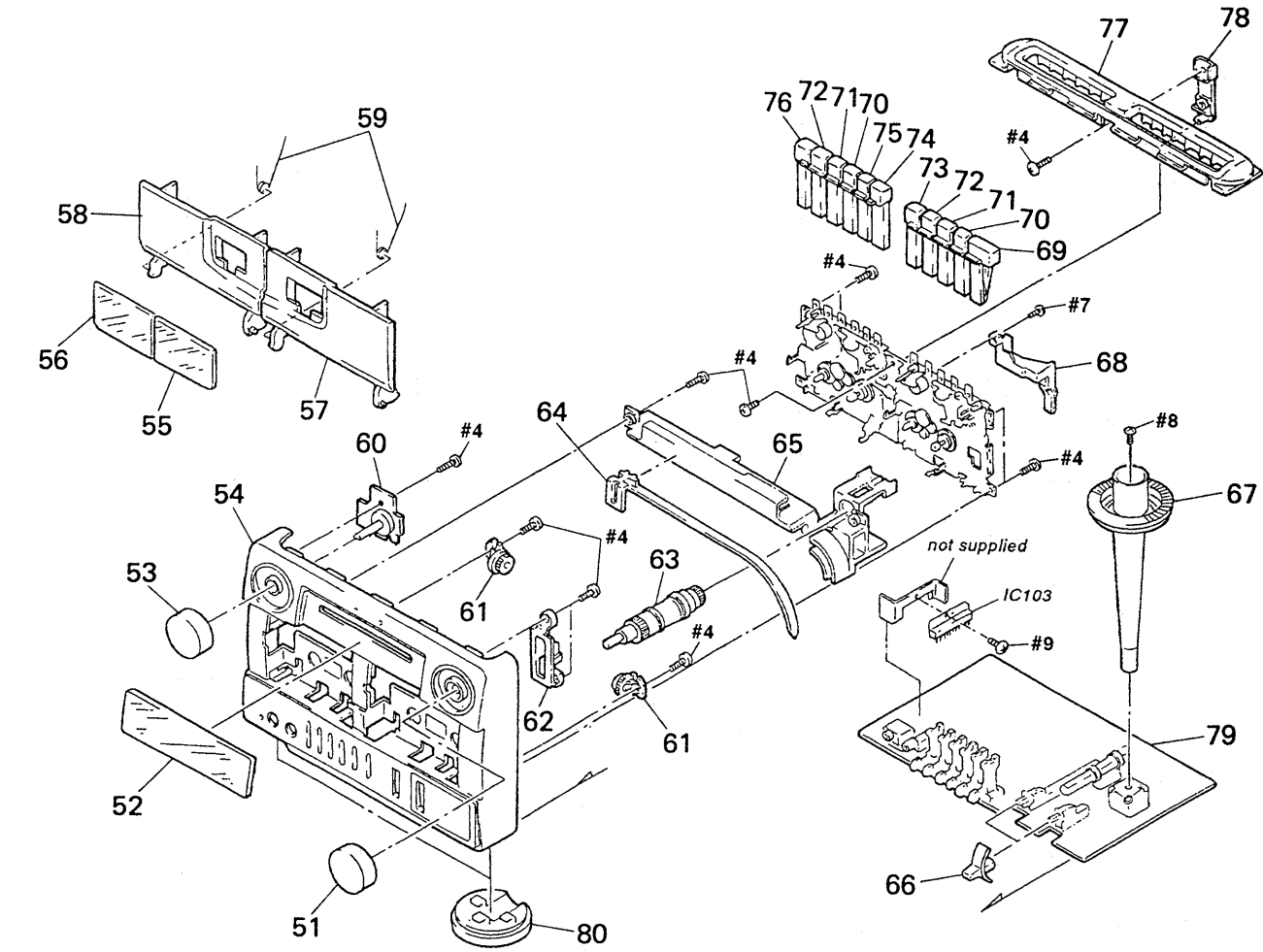
- NOTE:
- -XX, -X mean standardized parts, so they may have some difference from the original one.
 - The construction parts of an assembled part are indicated with a collation number in the remark column.
 - Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - The mechanical parts with no reference number in the exploded views are not supplied.
 - Hardware (# mark) list is given in the last of this parts list.
 - E=E92 : Central and South America
E94 : China
IT : Italian
AUS : Australian
- The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.
- Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. GENERAL SECTION-1



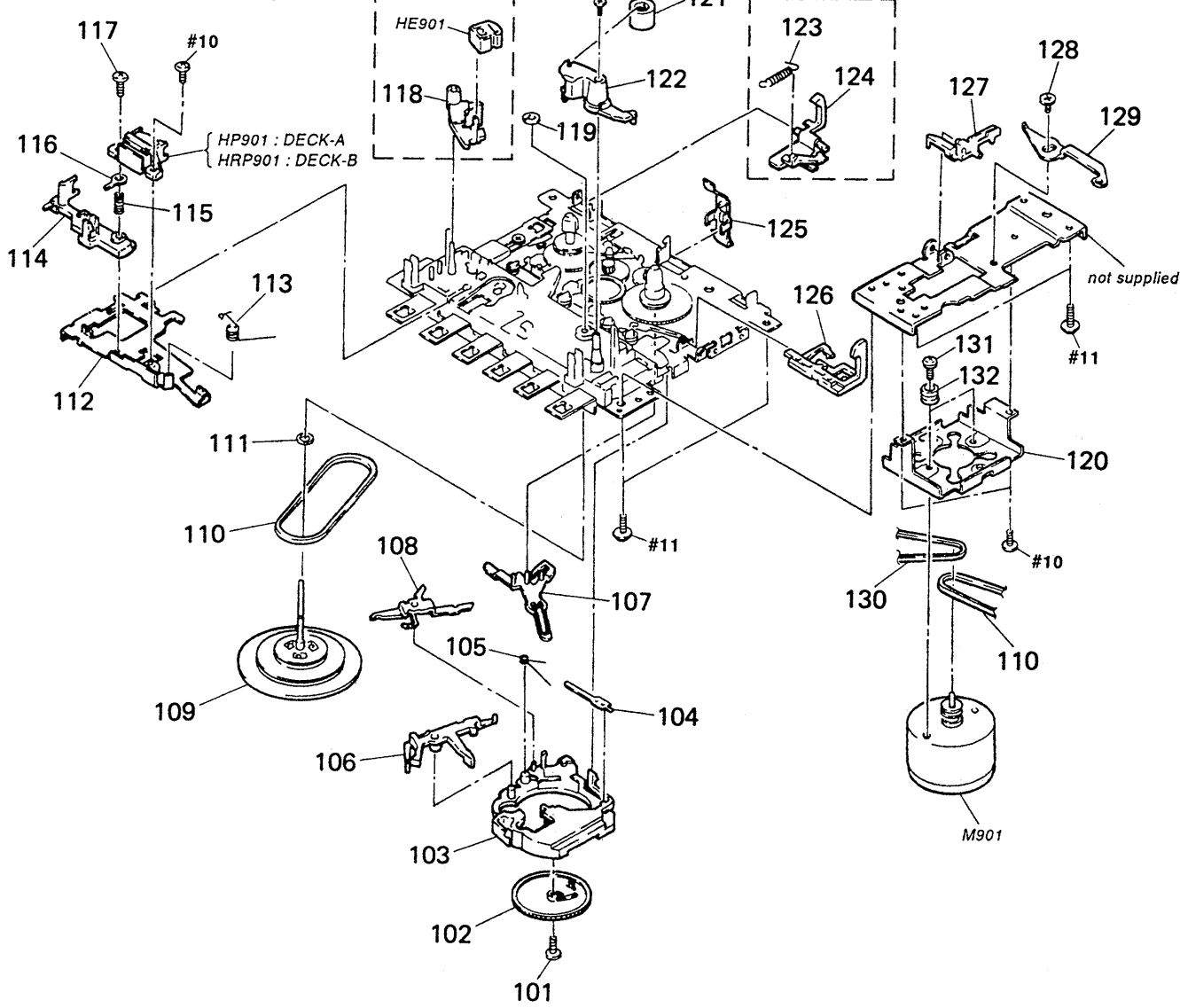
Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
1	X-3365-407-1	FRONT (L) ASSY, SPEAKER		14	3-381-482-01	SPEAKER BACK (R)	
2	3-381-478-01	SPEAKER BACK (L)		15	X-3365-408-1	FRONT (R) ASSY, SPEAKER	
3	3-381-479-01	HOLDER SPEAKER		16	1-535-243-11	HOLDER FUSE (AEP, IT, AUS)	
4	1-575-951-11	CORD, SPEAKER		ANT1	1-501-544-11	ANTENNA, TELESCOPIC	
* 5	1-644-291-11	POWER BOARD		F902	1-532-259-00	FUSE, TIME-LAG (1.6A) (AEP, IT, AUS)	
6	3-381-472-01	HOLDER P/T		JK901	1-540-009-11	INLET, AC (AC IN ~) (US, Canadian)	
* 7	1-640-242-11	BATT BOARD		JK901	1-540-141-11	SOCKET, AC (AC IN ~) (E)	
8	3-381-471-01	ANT LUG		JK901	1-526-838-11	INLET, AC 2P (AC IN ~) (AEP, IT, AUS)	
9	3-381-470-01	HANDLE		PT901	1-423-425-11	TRANSFORMER, POWER (AEP, IT)	
10	3-381-469-01	CABINET (REAR) (US)		PT901	1-448-781-11	TRANSFORMER, POWER (US, Canadian, E)	
10	3-382-395-01	CABINET (REAR) (AEP, IT, E, AUS)		PT901	1-448-779-11	TRANSFORMER, POWER (AUS)	
10	3-382-394-01	CABINET REAR (Canadian)		SP101	1-544-764-11	SPEAKER (10CM)	
11	3-397-813-01	BATTERY SPRING (-)		SP102	1-529-047-11	BUZZER	
12	3-381-439-01	LID, BATTERY CASE		SP201	1-544-764-11	SPEAKER (10CM)	
13	3-397-812-01	BATTERY SPRING (+/-)		SP202	1-529-047-11	BUZZER	

6-2. GENERAL SECTION-2



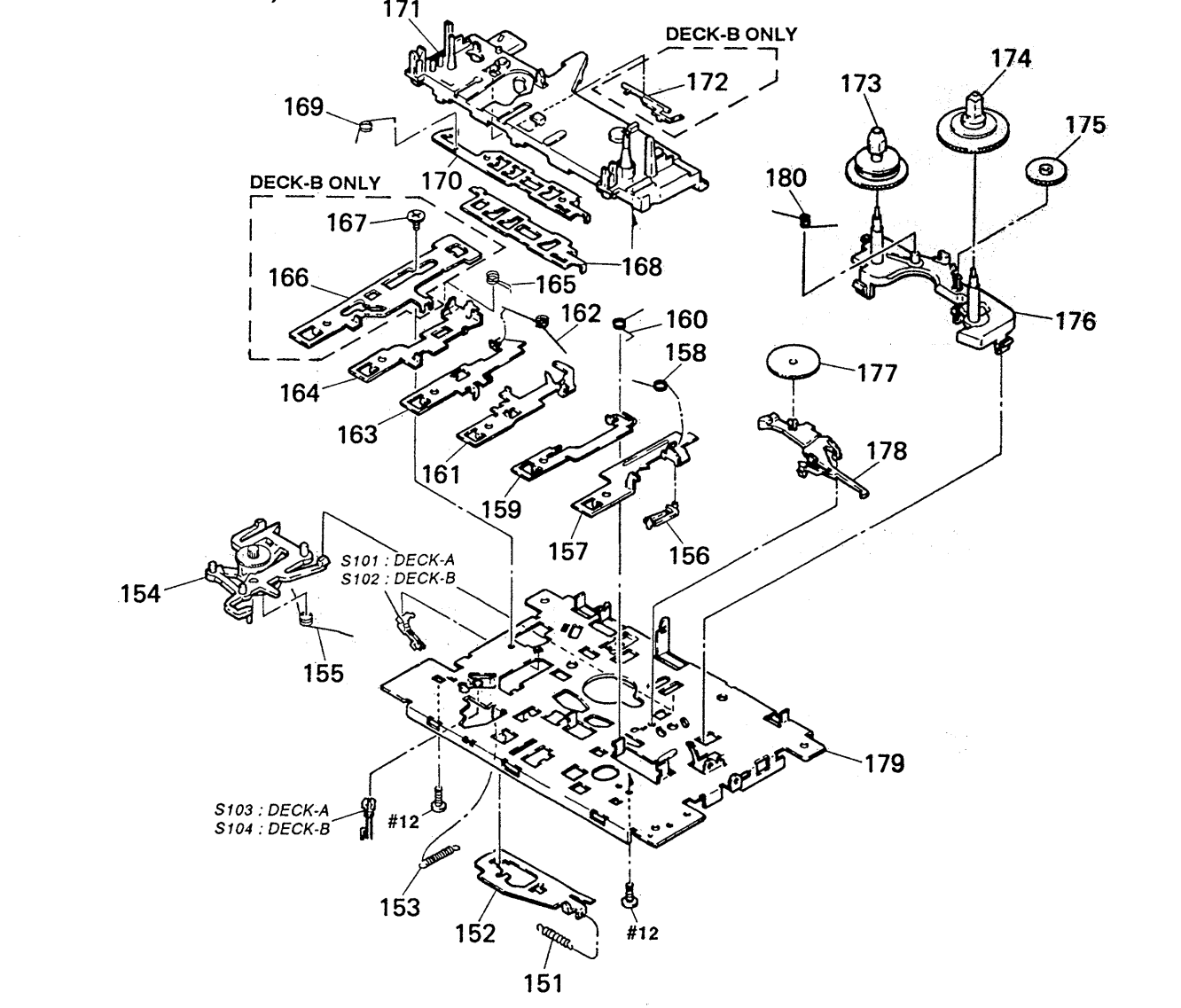
Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
51	X-3365-406-1	TUNING ASSY, KNOB		66	3-381-448-01	KNOB FUNCTION	
52	3-381-446-01	WINDOW SCALE (EXCEPT AEP, IT)		67	3-381-454-01	GEAR PULLEY	
52	3-385-307-01	WINDOW SCALE (AEP)		68	3-381-468-01	REC LEVER	
52	3-386-593-01	WINDOW SCALE (IT)		69	3-381-467-01	KNOB DECK PLAY (A)	
53	3-381-445-01	KNOB VOLUME		70	3-381-463-01	KNOB DECK REW	
54	X-3365-409-1	FRONT ASSY, CABINET		71	3-381-462-01	KNOB DECK FF	
55	3-381-456-01	WINDOW CASSETTE (A)		72	3-381-461-01	KNOB DECK STOP/EJECT	
56	3-381-459-01	WINDOW CASSETTE (B)		73	3-381-466-01	KNOB DECK PAUSE (A)	
57	3-381-455-01	HOLDER (A), CASSETTE		74	3-381-465-01	KNOB DECK PLAY (B)	
58	3-381-458-01	HOLDER (B), CASSETTE		75	3-381-464-01	KNOB DECK REC	
59	3-381-441-01	SPRING EJECT		76	3-381-460-01	KNOB DECK PAUSE (B)	
* 60	1-644-292-11	VOLUME BOARD		77	3-381-449-01	TOP CASE	
61	3-381-450-01	DAMPER GEAR ASSY		78	3-381-447-01	HOLDER TOP	
62	3-381-442-01	HOLDER DOOR		* 79	A-3275-559-A	MAIN BOARD, COMPLETE (EXCEPT AEP, IT)	
63	3-381-453-01	GEAR TUNING		* 79	A-3275-751-A	MAIN BOARD, COMPLETE (AEP)	
64	3-381-452-01	GEAR POINTER		* 79	A-3275-809-A	MAIN BOARD, COMPLETE (IT)	
65	3-381-451-01	CHASSIS TUNING		80	3-381-444-01	FOOT RING	
				IC103	8-759-205-82	IC TA7282AP	

6-3. MECHANISM SECTION-1
(MF-W430 : YSW27-03)



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
101	3-366-352-01	SCREW		119	3-362-980-01	WASHER	
102	3-362-974-01	GEAR, CAM		* 120	3-369-929-01	HOLDER, MOTOR	
103	3-362-973-01	AS (BASE)		121	3-362-982-01	PINCH ROLLER	
104	3-362-978-01	SPRING, PLATE		122	3-362-981-01	PINCH ARM	
105	3-362-977-01	SPRING		123	3-363-228-01	SPRING (DECK-B)	
106	3-362-975-01	LEVER, SENSOR		124	3-362-966-01	INTER LOCK (DECK-B)	
107	3-362-972-01	SENSOR		125	3-362-967-01	SPRING, CASSETTE	
108	3-362-976-01	LEVER, CONTROL		126	3-362-968-01	LEVER, EJECT	
109	3-369-921-01	FW ASSY		127	3-369-928-01	ARM, RELEASE	
110	3-362-985-01	BELT		128	3-362-958-01	SCREW	
111	3-381-438-01	WASHER		* 129	3-369-927-01	ARM, CONNECT	
* 112	3-362-984-01	HEAD (BASE)		130	3-369-931-01	BELT	
113	3-362-983-01	SPRING		131	3-343-886-01	SCREW, MOTOR	
114	3-362-986-01	HOLDER, HEAD		132	3-343-897-01	WASHER, RUBBER	
115	3-362-985-01	SPRING		HE901	1-543-558-11	HEAD, ERASE (DECK-B)	
116	3-363-230-01	LUG		HP901	1-543-424-21	HEAD (PLAYBACK) (DECK-A)	
117	3-363-229-01	SCREW		HRP901	1-543-424-21	HEAD (RECORD/PLAYBACK) (DECK-B)	
118	3-362-987-01	ARM, EH (DECK-B)		M901	3-378-834-01	MOTOR ASSY	

6-4. MECHANISM SECTION-2
(MF-W430 : YSW27-03)



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
151	3-371-920-01	SPRING		* 168	3-362-946-01	LEVER, SW	
* 152	3-371-919-01	PLATE FR STOP		169	3-362-945-01	SPRING	
153	3-362-971-01	SPRING		* 170	3-362-943-01	PLATE, FUNCTION	
154	3-362-969-01	IDLER ASSY, PF		171	3-362-942-01	FRAME ASSY	
155	3-362-970-01	SPRING		172	3-362-944-01	STOPPER, REC (DECK-B)	
156	3-362-953-01	ARM, PAUSE		173	3-362-963-01	REEL, S	
* 157	3-362-952-01	LEVER, PAUSE		174	3-362-962-01	REEL ASSY, T	
158	3-362-957-01	SPRING		175	3-362-965-01	IDLER, FF	
* 159	3-362-951-01	LEVER, SE		176	3-362-961-01	SPINDLE (BASE)	
160	3-362-956-01	SPRING		177	3-362-960-01	PULLEY, IDLER	
* 161	3-362-950-01	LEVER, FF		178	3-362-959-01	ARM, IDLER	
162	3-362-955-01	SPRING		* 179	3-362-941-01	CHASSIS	
* 163	3-362-949-01	LEVER, REW		180	3-372-120-01	SPRING	
* 164	3-362-948-01	LEVER, PLAY		S101	1-572-538-11	SWITCH, LEAF (FF/REW) (DECK-A)	
165	3-362-954-01	SPRING		S102	1-572-538-11	SWITCH, LEAF (FF/REW) (DECK-B)	
* 166	3-362-947-01	LEVER, REC (DECK-B)		S103	1-571-745-11	SWITCH, LEAF (PB) (DECK-A)	
167	3-362-958-01	SCREW (DECK-B)		S104	1-571-745-11	SWITCH, LEAF (REC/PB) (DECK-B)	

SECTION 7 ELECTRICAL PARTS LIST

BATT

MAIN

NOTE :

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms
METAL : Metal-film resistor
METAL OXIDE : Metal oxide-film resistor
F : nonflammable

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example :
uA.... : μ A...., uPA.... : μ PA....
uPB.... : μ PB...., uPC.... : μ PC....
uPD.... : μ PD....
- CAPACITORS
uF : μ F
- COILS
uH : μ H
- E=E92 : Central and South America
E94 : China
IT : Italian
AUS : Australian

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
*	1-640-242-11	BATT BOARD *****		C20	1-124-463-00	ELECT 0.1uF 20% 50V	
*****				C22	1-162-195-31	CERAMIC 4.7PF 10% 50V	
*	A-3275-559-A	MAIN BOARD, COMPLETE (EXCEPT AEP, IT) *****		C23	1-161-379-00	CERAMIC 0.01uF 20% 25V	
*	A-3275-751-A	MAIN BOARD, COMPLETE (AEP) *****		C31	1-162-286-31	CERAMIC 220PF 10% 50V	
*	A-3275-809-A	MAIN BOARD, COMPLETE (IT) *****		C33	1-123-382-00	ELECT 3.3uF 20% 100V	
	7-682-547-04	SCREW +BVTT 3X6 (S)		C34	1-162-193-31	CERAMIC 3.3PF 10% 50V	
	< BAND PASS FILTER >			C41	1-161-379-00	CERAMIC 0.01uF 20% 25V	
BPF1	1-236-022-11	FILTER, BAND PASS		C45	1-161-379-00	CERAMIC 0.01uF 20% 25V	
	< CAPACITOR >			C50	1-126-176-11	ELECT 220uF 20% 10V	
C1	1-162-208-31	CERAMIC 24PF 5% 50V		C100	1-124-126-00	ELECT 47uF 20% 10V	
C2	1-102-953-00	CERAMIC 18PF 5% 50V		C101	1-162-286-31	CERAMIC 220PF 10% 50V	
C3	1-162-193-31	CERAMIC 3.3PF 10% 50V		C102	1-130-487-00	MYLAR 0.022uF 5% 50V	
C4	1-161-379-00	CERAMIC 0.01uF 20% 25V		C104	1-123-382-00	ELECT 3.3uF 20% 100V	
C5	1-124-034-51	ELECT 33uF 20% 16V		C105	1-123-382-00	ELECT 3.3uF 20% 100V	
C6	1-162-287-31	CERAMIC 270PF 10% 50V		C106	1-124-126-00	ELECT 47uF 20% 10V	
C7	1-124-126-00	ELECT 47uF 20% 10V		C107	1-130-471-00	MYLAR 0.001uF 5% 50V	
C8	1-123-382-00	ELECT 3.3uF 20% 100V		C108	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C9	1-124-126-00	ELECT 47uF 20% 10V		C109	1-123-382-00	ELECT 3.3uF 20% 100V	
C10	1-161-379-00	CERAMIC 0.01uF 20% 25V		C110	1-162-292-31	CERAMIC 680PF 10% 50V	
C11	1-124-927-11	ELECT 4.7uF 20% 100V		C111	1-162-292-31	CERAMIC 680PF 10% 50V	
C12	1-124-903-11	ELECT 1uF 20% 50V		C112	1-124-252-00	ELECT 0.33uF 20% 50V	
C13	1-130-484-00	MYLAR 0.012uF 5% 50V		C114	1-162-282-31	CERAMIC 100PF 10% 50V	
C14	1-130-484-00	MYLAR 0.012uF 5% 50V		C120	1-124-903-11	ELECT 1uF 20% 50V	
C15	1-124-903-11	ELECT 1uF 20% 50V		C121	1-130-489-00	MYLAR 0.033uF 5% 50V	
C16	1-124-902-00	ELECT 0.47uF 20% 50V		C123	1-161-050-00	CERAMIC 0.0082uF 10% 50V	
C17	1-124-927-11	ELECT 4.7uF 20% 100V		C124	1-124-463-00	ELECT 0.1uF 20% 50V	
C18	1-124-907-11	ELECT 10uF 20% 50V		C125	1-161-327-00	CERAMIC 0.0033uF 30% 16V	
C19	1-124-463-00	ELECT 0.1uF 20% 50V		C126	1-130-489-00	MYLAR 0.033uF 5% 50V	
				C127	1-162-294-31	CERAMIC 0.001uF 10% 50V	
				C128	1-124-903-11	ELECT 1uF 20% 50V	
				C129	1-124-903-11	ELECT 1uF 20% 50V	
				C130	1-124-903-11	ELECT 1uF 20% 50V	
				C131	1-161-494-00	CERAMIC 0.022uF 25V	
				C132	1-123-382-00	ELECT 3.3uF 20% 100V	
				C133	1-161-494-00	CERAMIC 0.022uF 25V	

MAIN

Ref.No.	Part No.	Description	Remark		
C134	1-130-483-00	MYLAR	0.01uF	5%	50V
C141	1-162-282-31	CERAMIC	100PF	10%	50V
C176	1-162-294-31	CERAMIC	0.001uF	10%	50V
C177	1-124-902-00	ELECT	0.47uF	20%	50V
C178	1-124-126-00	ELECT	47uF	20%	10V
C179	1-126-101-11	ELECT	100uF	20%	16V
C180	1-124-360-00	ELECT	1000uF	20%	16V
C181	1-130-497-00	MYLAR	0.15uF	5%	50V
C202	1-124-903-11	ELECT	1uF	20%	50V
C203	1-126-233-11	ELECT	22uF	20%	50V
C204	1-162-282-31	CERAMIC	100PF	10%	50V
C205	1-124-925-11	ELECT	2.2uF	20%	100V
C207	1-124-126-00	ELECT	47uF	20%	10V
C208	1-123-382-00	ELECT	3.3uF	20%	100V
C209	1-124-927-11	ELECT	4.7uF	20%	100V
C210	1-124-927-11	ELECT	4.7uF	20%	100V
C211	1-124-927-11	ELECT	4.7uF	20%	100V
C216	1-162-282-31	CERAMIC	100PF	10%	50V
C217	1-162-282-31	CERAMIC	100PF	10%	50V
C218	1-124-119-00	ELECT	330uF	20%	16V
C219	1-124-902-00	ELECT	0.47uF	20%	50V
C220	1-124-119-00	ELECT	330uF	20%	16V
C222	1-162-282-31	CERAMIC	100PF	10%	50V
C224	1-124-927-11	ELECT	4.7uF	20%	100V
C233	1-124-120-11	ELECT	220uF	20%	25V
C240	1-124-907-11	ELECT	10uF	20%	50V
C242	1-162-282-31	CERAMIC	100PF	10%	50V
C243	1-162-282-31	CERAMIC	100PF	10%	50V
C244	1-162-282-31	CERAMIC	100PF	10%	50V
C245	1-124-907-11	ELECT	10uF	20%	50V
C251	1-162-286-31	CERAMIC	220PF	10%	50V
C252	1-162-290-31	CERAMIC	470PF	10%	50V
C253	1-130-471-00	MYLAR	0.001uF	5%	50V
C254	1-130-485-00	MYLAR	0.015uF	5%	50V
C255	1-161-377-00	CERAMIC	0.0047uF	30%	16V
C256	1-124-443-00	ELECT	100uF	20%	10V
C257	1-130-483-00	MYLAR	0.01uF	5%	50V
C258	1-124-443-00	ELECT	100uF	20%	10V
C259	1-126-103-11	ELECT	470uF	20%	16V
C261	1-126-176-11	ELECT	220uF	20%	10V
C271	1-161-494-00	CERAMIC	0.022uF		25V
C272	1-124-119-00	ELECT	330uF	20%	16V
C299	1-123-382-00	ELECT	3.3uF	20%	100V
C300	1-124-126-00	ELECT	47uF	20%	10V
C301	1-162-286-31	CERAMIC	220PF	10%	50V
C302	1-130-487-00	MYLAR	0.022uF	5%	50V
C304	1-123-382-00	ELECT	3.3uF	20%	100V
C305	1-123-382-00	ELECT	3.3uF	20%	100V
C306	1-124-126-00	ELECT	47uF	20%	10V

Ref.No.	Part No.	Description	Remark		
C307	1-130-471-00	MYLAR	0.001uF	5%	50V
C308	1-162-294-31	CERAMIC	0.001uF	10%	50V
C309	1-123-382-00	ELECT	3.3uF	20%	100V
C310	1-162-292-31	CERAMIC	680PF	10%	50V
C311	1-162-292-31	CERAMIC	680PF	10%	50V
C312	1-124-252-00	ELECT	0.33uF	20%	50V
C314	1-162-282-31	CERAMIC	100PF	10%	50V
C320	1-124-903-11	ELECT	1uF	20%	50V
C321	1-130-489-00	MYLAR	0.033uF	5%	50V
C323	1-161-050-00	CERAMIC	0.0082uF	10%	50V
C324	1-124-463-00	ELECT	0.1uF	20%	50V
C325	1-161-327-00	CERAMIC	0.0033uF	30%	16V
C326	1-130-489-00	MYLAR	0.033uF	5%	50V
C327	1-162-294-31	CERAMIC	0.001uF	10%	50V
C328	1-124-903-11	ELECT	1uF	20%	50V
C329	1-124-903-11	ELECT	1uF	20%	50V
C330	1-124-903-11	ELECT	1uF	20%	50V
C331	1-161-494-00	CERAMIC	0.022uF		25V
C332	1-123-382-00	ELECT	3.3uF	20%	100V
C333	1-161-494-00	CERAMIC	0.022uF		25V
C334	1-130-483-00	MYLAR	0.01uF	5%	50V
C341	1-162-282-31	CERAMIC	100PF	10%	50V
C376	1-162-294-31	CERAMIC	0.001uF	10%	50V
C377	1-124-902-00	ELECT	0.47uF	20%	50V
C378	1-124-126-00	ELECT	47uF	20%	10V
C379	1-126-101-11	ELECT	100uF	20%	16V
C380	1-124-360-00	ELECT	1000uF	20%	16V
C381	1-130-497-00	MYLAR	0.15uF	5%	50V
< FILTER >					
CF1	1-567-166-00	FILTER, CERAMIC			
CF2	1-567-166-00	FILTER, CERAMIC			
CF3	1-527-870-00	FILTER, CERAMIC			
< DIODE >					
D1	8-719-107-94	DIODE 1SS202-1			
D3	8-719-107-94	DIODE 1SS202-1			
D101	8-719-107-94	DIODE 1SS202-1			
D102	8-719-107-94	DIODE 1SS202-1			
D103	8-719-107-94	DIODE 1SS202-1			
D107	8-719-107-94	DIODE 1SS202-1			
D202	8-719-107-94	DIODE 1SS202-1			
D203	8-719-107-94	DIODE 1SS202-1			
D214	8-719-160-34	DIODE RD6.8F-B2			
LD103	8-719-948-75	LED SLR34VR70F165 (OPR/BATT)			
< IC >					
IC1	8-752-050-20	IC CXA1238S			
IC101	8-759-242-58	IC TA8189N			

Ref.No.	Part No.	Description	Remark
IC102	8-759-933-38	IC BA3822LS	
IC103	8-759-205-82	IC TA7282AP	
< JACK >			
JK1	1-507-806-00	JACK 1P (PHONES)	
JK2	1-580-045-11	JACK (SPEAKER L)	
JK3	1-580-045-11	JACK (SPEAKER R)	
JK4	1-563-330-11	JACK (MIC)	
< COIL >			
* L1	1-426-321-11	COIL, RF FM	
L2	1-406-393-11	COIL, FM OSC	
L3	1-402-508-11	ANTENNA, FERRITE-ROD (MW) (EXCEPT AEP, IT)	
L3	1-501-579-11	ANTENNA, FERRITE-ROD (MW) (AEP, IT)	
L5	1-406-040-00	COIL (OSC)	
L101	1-412-457-11	INDUCTOR 2.7mH	
L301	1-412-457-11	INDUCTOR 2.7mH	
< TERMINAL >			
* P1	1-535-115-00	TERMINAL	
< CONNECTOR >			
* PN1	1-580-049-11	CONNECTOR 10P	
* PN2	1-580-047-11	CONNECTOR 3P	
* PN3	1-580-048-11	CONNECTOR 4P	
* PN4	1-580-046-11	CONNECTOR 2P	
* PN5	1-695-136-11	CONNECTOR 5P	
< TRANSISTOR >			
Q1	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q2	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q100	8-729-904-34	TRANSISTOR DTA114TS	
Q107	8-729-904-39	TRANSISTOR DTC114TS	
Q122	8-729-904-39	TRANSISTOR DTC114TS	
Q203	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q204	8-729-206-21	TRANSISTOR RN1203	
Q208	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q209	8-729-142-46	TRANSISTOR 2SC2001-LK	
Q210	8-729-173-38	TRANSISTOR 2SA733-K	
Q211	1-807-940-11	TRANSISTOR KTC9013	
Q213	8-729-900-61	TRANSISTOR DTA114ES	
Q214	8-729-173-38	TRANSISTOR 2SA733-K	
Q215	8-729-904-39	TRANSISTOR DTC114TS	
Q221	8-729-904-39	TRANSISTOR DTC114TS	
Q223	8-729-904-34	TRANSISTOR DTA114TS	
Q307	8-729-904-39	TRANSISTOR DTC114TS	
Q322	8-729-904-39	TRANSISTOR DTC114TS	

Ref.No.	Part No.	Description	Remark
< RESISTOR >			
R1	1-249-469-11	CARBON 100K 5% 1/4W	
R2	1-249-421-11	CARBON 2.2K 5% 1/4W	
R3	1-249-410-11	CARBON 270 5% 1/4W	
R4	1-249-405-11	CARBON 100 5% 1/4W	
R5	1-249-427-11	CARBON 6.8K 5% 1/4W	
R6	1-249-427-11	CARBON 6.8K 5% 1/4W	
R8	1-249-421-11	CARBON 2.2K 5% 1/4W	
R9	1-247-887-00	CARBON 220K 5% 1/4W	
R10	1-249-429-11	CARBON 10K 5% 1/4W	
R11	1-249-398-11	CARBON 27 5% 1/4W	
R12	1-249-411-11	CARBON 330 5% 1/4W	
R13	1-247-887-00	CARBON 220K 5% 1/4W	
R16	1-247-725-11	CARBON 10K 5% 1/4W	
R17	1-249-430-11	CARBON 12K 5% 1/4W	
R19	1-249-405-11	CARBON 100 5% 1/4W	
R30	1-249-425-11	CARBON 4.7K 5% 1/4W	
R31	1-249-425-11	CARBON 4.7K 5% 1/4W	
R32	1-249-425-11	CARBON 4.7K 5% 1/4W	
R35	1-249-419-11	CARBON 1.5K 5% 1/4W	
R37	1-247-726-11	CARBON 33K 5% 1/4W	
R38	1-247-726-11	CARBON 33K 5% 1/4W	
R45	1-249-435-11	CARBON 33K 5% 1/4W	
R46	1-249-435-11	CARBON 33K 5% 1/4W	
R50	1-247-700-11	CARBON 100 5% 1/4W	
R101	1-249-417-11	CARBON 1K 5% 1/4W	
R102	1-249-417-11	CARBON 1K 5% 1/4W	
R103	1-247-883-00	CARBON 150K 5% 1/4W	
R104	1-249-406-11	CARBON 120 5% 1/4W	
R105	1-249-427-11	CARBON 6.8K 5% 1/4W	
R107	1-247-883-00	CARBON 150K 5% 1/4W	
R108	1-249-426-11	CARBON 5.6K 5% 1/4W	
R109	1-249-438-11	CARBON 56K 5% 1/4W	
R110	1-249-413-11	CARBON 470 5% 1/4W	
R113	1-249-417-11	CARBON 1K 5% 1/4W	
R114	1-249-430-11	CARBON 12K 5% 1/4W	
R115	1-249-439-11	CARBON 68K 5% 1/4W	
R116	1-249-430-11	CARBON 12K 5% 1/4W	
R117	1-249-417-11	CARBON 1K 5% 1/4W	
R119	1-249-434-11	CARBON 27K 5% 1/4W	
R120	1-249-414-11	CARBON 560 5% 1/4W	
R121	1-249-417-11	CARBON 1K 5% 1/4W	
R122	1-247-713-11	CARBON 1K 5% 1/4W	
R123	1-249-417-11	CARBON 1K 5% 1/4W	
R124	1-249-417-11	CARBON 1K 5% 1/4W	
R125	1-247-713-11	CARBON 1K 5% 1/4W	
R130	1-249-408-11	CARBON 180 5% 1/4W	
R170	1-249-424-11	CARBON 3.9K 5% 1/4W	

MAIN

POWER

Ref. No.	Part No.	Description			Remark
R173	1-249-408-11	CARBON	180	5%	1/4W
△R181	1-217-639-00	FUSIBLE	2.2	5%	1/4W F
R185	1-247-698-11	CARBON	68	5%	1/4W
R201	1-247-891-00	CARBON	330K	5%	1/4W
R202	1-249-416-11	CARBON	820	5%	1/4W
R203	1-249-417-11	CARBON	1K	5%	1/4W
R204	1-247-710-11	CARBON	560	5%	1/4W
R205	1-249-440-11	CARBON	82K	5%	1/4W
R206	1-247-903-00	CARBON	1M	5%	1/4W
R207	1-249-411-11	CARBON	330	5%	1/4W
R208	1-249-429-11	CARBON	10K	5%	1/4W
R209	1-249-407-11	CARBON	150	5%	1/4W
R210	1-249-412-11	CARBON	390	5%	1/4W
R211	1-249-418-11	CARBON	1.2K	5%	1/4W
R214	1-249-435-11	CARBON	33K	5%	1/4W
R215	1-249-425-11	CARBON	4.7K	5%	1/4W
R216	1-247-700-11	CARBON	100	5%	1/4W
R217	1-249-437-11	CARBON	47K	5%	1/4W
R218	1-249-425-11	CARBON	4.7K	5%	1/4W
R219	1-247-897-11	CARBON	560K	5%	1/4W
R221	1-247-887-00	CARBON	220K	5%	1/4W
R230	1-249-440-11	CARBON	82K	5%	1/4W
R232	1-249-426-11	CARBON	5.6K	5%	1/4W
R237	1-249-435-11	CARBON	33K	5%	1/4W
R245	1-249-413-11	CARBON	470	5%	1/4W
R249	1-247-891-00	CARBON	330K	5%	1/4W
R251	1-249-410-11	CARBON	270	5%	1/4W
R252	1-249-431-11	CARBON	15K	5%	1/4W
R253	1-249-393-11	CARBON	10	5%	1/4W
R254	1-249-429-11	CARBON	10K	5%	1/4W
R255	1-249-469-11	CARBON	100K	5%	1/4W
R256	1-249-405-11	CARBON	100	5%	1/4W
R257	1-249-423-11	CARBON	3.3K	5%	1/4W
R258	1-249-400-11	CARBON	39	5%	1/4W
R259	1-249-414-11	CARBON	560	5%	1/4W
△R260	1-217-641-00	FUSIBLE	4.7	5%	1/4W F
R261	1-249-429-11	CARBON	10K	5%	1/4W
R262	1-249-437-11	CARBON	47K	5%	1/4W
R263	1-249-425-11	CARBON	4.7K	5%	1/4W
R270	1-249-405-11	CARBON	100	5%	1/4W
R301	1-249-417-11	CARBON	1K	5%	1/4W
R302	1-249-417-11	CARBON	1K	5%	1/4W
R303	1-247-883-00	CARBON	150K	5%	1/4W
R304	1-249-406-11	CARBON	120	5%	1/4W
R305	1-249-427-11	CARBON	6.8K	5%	1/4W
R307	1-247-883-00	CARBON	150K	5%	1/4W
R308	1-249-426-11	CARBON	5.6K	5%	1/4W
R309	1-249-438-11	CARBON	56K	5%	1/4W
R310	1-249-413-11	CARBON	470	5%	1/4W

Ref.No.	Part No.	Description				Remark
R313	1-249-417-11	CARBON	1K	5%	1/4W	
R314	1-249-430-11	CARBON	12K	5%	1/4W	
R315	1-249-439-11	CARBON	68K	5%	1/4W	
R316	1-249-430-11	CARBON	12K	5%	1/4W	
R317	1-249-417-11	CARBON	1K	5%	1/4W	
R319	1-249-434-11	CARBON	27K	5%	1/4W	
R320	1-249-414-11	CARBON	560	5%	1/4W	
R321	1-249-417-11	CARBON	1K	5%	1/4W	
R322	1-249-417-11	CARBON	1K	5%	1/4W	
R323	1-249-417-11	CARBON	1K	5%	1/4W	
R324	1-249-417-11	CARBON	1K	5%	1/4W	
R325	1-247-713-11	CARBON	1K	5%	1/4W	
R330	1-249-408-11	CARBON	180	5%	1/4W	
R370	1-249-424-11	CARBON	3.9K	5%	1/4W	
R373	1-249-408-11	CARBON	180	5%	1/4W	
△R381	1-217-639-00	FUSIBLE	2.2	5%	1/4W	F
R385	1-247-698-11	CARBON	68	5%	1/4W	
< SWITCH >						
SW1	1-692-226-11	SWITCH, LEVER SLIDE (BAND)				
SW2	1-692-225-11	SWITCH, LEVER SLIDE (FUNCTION)				
SW3	1-572-420-11	SWITCH, SLIDE (REC/PB)				
SW4	1-692-170-11	SWITCH, SLIDE (ISS/FM MODE)				
< TRANSFORMER >						
T1	1-404-925-11	IFT, AM				
T101	1-406-238-11	COIL, OSCILLATION				
< VARIABLE CAPACITOR >						
CT1-4	1-151-708-11	CAP, VAR (EXCEPT AEP, IT)				
VC1-4						
CT1-4	1-141-454-11	CAP, VAR (AEP, IT)				
VC1-4						
< VARIABLE RESISTOR >						
VR1	1-228-995-00	RES, ADJ, METAL 22K (VCO)				
VR101	1-241-989-11	RES, VAR, SLIDE 100K/100K (BASS BOOST)				
VR102	1-241-990-11	RES, VAR, SLIDE 100K/100K (300Hz)				
VR103	1-241-990-11	RES, VAR, SLIDE 100K/100K (1KHz)				
VR104	1-241-990-11	RES, VAR, SLIDE 100K/100K (3KHz)				
VR105	1-241-990-11	RES, VAR, SLIDE 100K/100K (10KHz)				
VR107	1-241-988-11	RES, VAR, SLIDE 100K/100K (BALANCE)				
VR201	1-228-989-00	RES, ADJ, METAL 470 (TAPE SPEED)				

*	1-644-291-11	POWER BOARD				

△	1-533-243-11	HOLDER FUSE (AEP, IT, AUS)				

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Remark
< CAPACITOR >			
C901	1-161-494-00	CERAMIC 0.022uF	25V
C902	1-161-494-00	CERAMIC 0.022uF	25V
C903	1-161-494-00	CERAMIC 0.022uF	25V
C904	1-161-494-00	CERAMIC 0.022uF	25V
C906	1-124-887-00	ELECT 3300uF 20%	16V
< DIODE >			
D901	8-719-200-02	DIODE 10E2	
D902	8-719-200-02	DIODE 10E2	
D903	8-719-200-02	DIODE 10E2	
D904	8-719-200-02	DIODE 10E2	
< FUSE >			
△F902	1-532-259-00	FUSE, TIME-LAG (1.6A) (AEP, IT, AUS)	
< JACK >			
△JK901	1-526-838-11	INLET, AC 2P (AC IN ~) (AEP, IT, AUS)	
△JK901	1-540-009-11	INLET, AC (AC IN ~) (US, Canadian)	
△JK901	1-540-141-11	SOCKET, AC (AC IN ~) (E)	
< CONNECTOR >			
* PN901	1-580-046-11	CONNECTOR 2P	
< TRANSFORMER >			
△PT901	1-423-425-11	TRANSFORMER, POWER (AEP, IT)	
△PT901	1-448-779-11	TRANSFORMER, POWER (AUS)	
△PT901	1-448-781-11	TRANSFORMER, POWER (US, Canadian, E)	

*	1-644-292-11	VOLUME BOARD	

< VARIABLE RESISTOR >			
VR106	1-241-987-11	VOLUME, CARBON 20K/20K (VOLUME)	

MISCELLANEOUS			

4	1-575-951-11	CORD, SPEAKER	
ANT1	1-501-544-11	ANTENNA, TELESCOPIC	
HE901	1-543-558-11	HEAD, ERASE	
HP901	1-543-424-21	HEAD (PLAYBACK)	
HRP901	1-543-424-21	HEAD (RECORD/PLAYBACK)	
M901	3-378-834-01	MOTOR ASSY	
S101	1-572-538-11	SWITCH, LEAF (FF/REW) (DECK-A)	
S102	1-572-538-11	SWITCH, LEAF (FF/REW) (DECK-B)	
S103	1-571-745-11	SWITCH, LEAF (PB) (DECK-A)	
S104	1-571-745-11	SWITCH, LEAF (REC/PB) (DECK-B)	

Ref.No.	Part No.	Description	Remark
SP101	1-544-764-11	SPEAKER (10CM)	
SP102	1-529-047-11	BUZZER	
SP201	1-544-764-11	SPEAKER (10CM)	
SP202	1-529-047-11	BUZZER	
ACCESSORIES & PACKING MATERIALS			

△	1-555-074-00	CORD, POWER (AUS)	
△	1-557-287-11	CORD, POWER (E)	
△	1-575-131-11	CORD, POWER (AEP, IT)	
△	1-590-147-11	CORD, POWER (Canadian)	
△	1-690-952-11	CORD, POWER (US)	
*	3-324-066-01	SHEET, PROTECTION	
*	3-380-014-01	INDIVIDUAL CARTON (US, Canadian, AUS, E94)	
*	3-380-015-01	INDIVIDUAL CARTON (E92)	
*	3-380-016-01	INDIVIDUAL CARTON (AEP, IT)	
*	3-381-483-01	CUSHION	
	3-755-156-21	MANUAL, INSTRUCTION (ENGLISH) (EXCEPT AEP, IT)	
	3-755-156-31	MANUAL, INSTRUCTION (Canadian) (FRENCH)	
	3-755-156-41	MANUAL, INSTRUCTION (AEP, IT) (ENGLISH, SPANISH, PORTUGUESE, ITALIAN)	
	3-755-156-61	MANUAL, INSTRUCTION (E92) (SPANISH)	
	3-755-156-81	MANUAL, INSTRUCTION (E94) (CHINESE)	

HARDWARE LIST			

#1	7-685-646-79	SCREW, TAPPING	
#2	7-685-651-79	SCREW +BVTP 3X20 TYPE2 N-S	
#3	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
#4	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#5	7-685-152-19	SCREW +P 3X25 TYPE2 NON-SLIT	
#6	7-682-549-04	SCREW +B 3X10	
#7	7-621-255-45	SCREW +PTT 2X6 (S)	
#8	7-621-773-95	SCREW +B 2.6X6	
#9	7-682-547-04	SCREW +BVTT 3X6 (S)	
#10	7-621-255-25	SCREW +PTT 2X4 (S)	
#11	7-621-773-86	SCRTEWTOTSU PTTWH 2.6X4	
#12	7-685-104-19	SCREW +P 2X6 TYPE2 NON-SLIT	

The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

CFS-W430

SONY[®] SERVICE MANUAL

*US Model
Canadian Model
E Model
Australian Model*

SUPPLEMENT-1

File this Supplement with the Service Manual.

Subject : Taiwan model has been added.

Taiwan model is identical with the E model except for following parts.

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
	3-380-014-01	INDIVIDUAL CARTON (US, Canadian, Australian, Taiwan)	
	3-755-156-81	MANUAL, INSTRUCTION(ENGLISH, CHINESE)	